

WHAT IS CLAIMED IS:

1. An audio data recording disc storing audio data, and recording
and reproducing management data for the audio data, the recording
5 and reproducing management data including original management
data and user defined management data, the original management
data being for enabling the audio data to be reproduced in an order
equal to an order in which the audio data have been recorded, the
user defined management data including cell information pieces
10 related to respective cells, the cells corresponding to a
reproduction unit and being related to the audio data, the user
defined management data representing a user defined track which
includes at least one of the cells and which is decided in response
to the cell information pieces according to user's instruction, the
15 user defined track designating portions of the audio data which
correspond to the at least one cell in the user defined track, the
user defined track representing a reproduction order decided by
user's instruction, the user defined management data being for
enabling the portions of the audio data which are designated by the
20 user defined track to be reproduced in an order equal to the
reproduction order represented by the user defined track.
2. An audio data recording disc as recited in claim 1, wherein
the cell information pieces include attached information pieces
25 related to the user defined track, and the attached information
pieces include 1) a data piece representing primary text

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information PRM_TXTI related to the user defined track, 2) a data piece representing a search pointer number IT_TXT_SRPN for item text information related to the user defined track, and 3) a data piece indicating representative still-picture information REP_PICTI
5 for designating a position of a still picture representative of the user defined track.

3. An audio data recording disc as recited in claim 1, wherein the cell information pieces include attached information pieces
10 related to the user defined track, the cell information pieces further include cell-type data pieces representing whether or not each of the cells is a first cell in the user defined track, the user defined track starts from the first cell represented by one of the cell-type data pieces, and the attached information pieces are stored in the
15 first cell represented by the one of the cell-type data pieces.

4. An audio data recording disc as recited in claim 1, wherein the cell information pieces include attached information pieces related to the user defined track, and the attached information
20 pieces represent whether or not each of the cells is a first cell in the user defined track.

5. An audio data recording disc as recited in claim 1, wherein the cell information pieces include attached information pieces
25 related to the user defined track, and the attached information pieces occupy a first place in a cell-attached information piece set.

reproducing at least a portion of audio data, text data, and still-picture data which corresponds to the user defined track from the audio data recording disc in response to the relation-representing signal in the memory.

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8. A method of recording audio data, and recording and reproducing management data on an audio data recording disc, the recording and reproducing management data including original management data and user defined management data, the original management data being for enabling the audio data to be reproduced in an order equal to an order in which the audio data have been recorded, the user defined management data including cell information pieces related to respective cells, the cells corresponding to a reproduction unit and being related to the audio data, the user defined management data representing a user defined track which includes at least one of the cells and which is decided in response to the cell information pieces according to user's instruction, the user defined track designating portions of the audio data which correspond to the at least one cell in the user defined track, the user defined track representing a reproduction order decided by user's instruction, the user defined management data being for enabling the portions of the audio data which are designated by the user defined track to be reproduced in an order equal to the reproduction order represented by the user defined track.
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9. A method as recited in claim 8, wherein the cell information pieces include attached information pieces related to the user defined track, and the attached information pieces include 1) a data piece representing primary text information PRM_TXTI related to the user defined track, 2) a data piece representing a search pointer number IT_TXT_SRPN for item text information related to the user defined track, and 3) a data piece indicating representative still-picture information REP_PICTI for designating a position of a still picture representative of the user defined track.

10. A method as recited in claim 8, wherein the cell information pieces include attached information pieces related to the user defined track, the cell information pieces further include cell-type data pieces representing whether or not each of the cells is a first cell in the user defined track, the user defined track starts from the first cell represented by one of the cell-type data pieces, and the attached information pieces are stored in the first cell represented by the one of the cell-type data pieces.

11. A method as recited in claim 8, wherein the cell information pieces include attached information pieces related to the user defined track, and the attached information pieces represent whether or not each of the cells is a first cell in the user defined track.

12. A method as recited in claim 8, wherein the cell information

pieces include attached information pieces related to the user defined track, and the attached information pieces occupy a first place in a cell-attached information piece set.

- 5 13. An apparatus for recording audio data, and recording and reproducing management data on an audio data recording disc, the recording and reproducing management data including original management data and user defined management data, the original management data being for enabling the audio data to be reproduced
- 10 in an order equal to an order in which the audio data have been recorded, the user defined management data including cell information pieces related to respective cells, the cells corresponding to a reproduction unit and being related to the audio data, the user defined management data representing a user defined
- 15 track which includes at least one of the cells and which is decided in response to the cell information pieces according to user's instruction, the user defined track designating portions of the audio data which correspond to the at least one cell in the user defined track, the user defined track representing a reproduction order
- 20 decided by user's instruction, the user defined management data being for enabling the portions of the audio data which are designated by the user defined track to be reproduced in an order equal to the reproduction order represented by the user defined track.

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